

Title: "Oligonucleotide-Tagged Semiconductor Nanocrystals For Microarray And Fluorescence

In Situ Hybridization" Inventors: Bittner, et al.

Attorney: David W. Maher (650-849-4400)

Atty. Docket No: 22564-0707

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Test sample

Reference sample

Make RNA

Oligo dT-DNA-1 primer

Oligo dT-DNA-2 primer



Test RNA

Reference RNA

Make cDNA

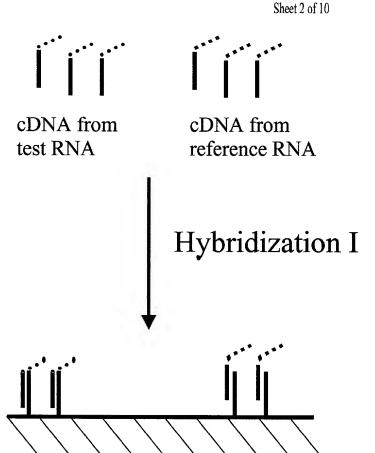


cDNA from test RNA



cDNA from reference RNA

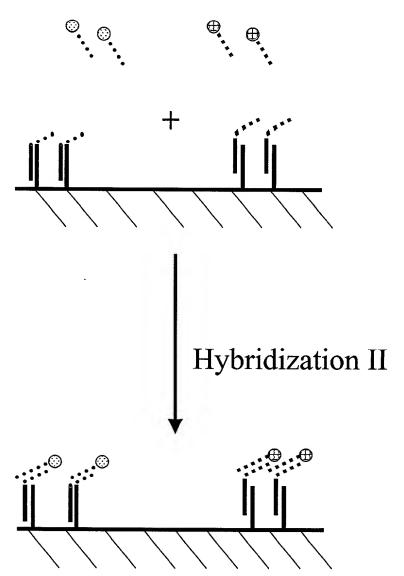
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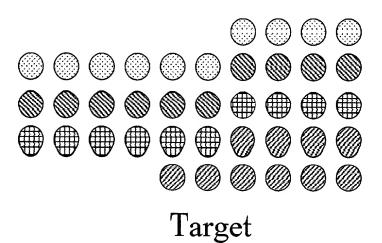
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- = Gene A (h-136)
- = Gene B (h-252)
- = Gene C (h-501)
- = Gene D (h-503)

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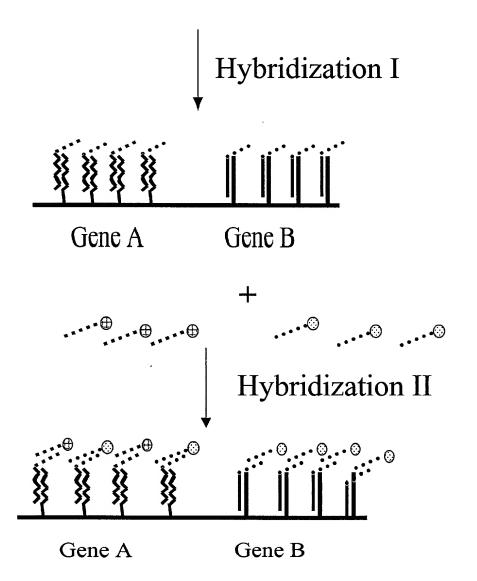


FIGURE 5A

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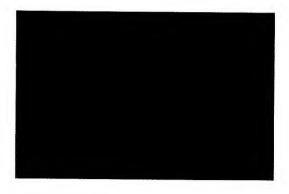


FIGURE 5B

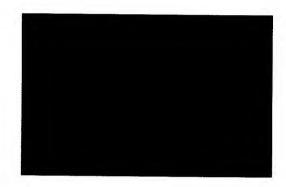


FIGURE 5C

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Hybridization II

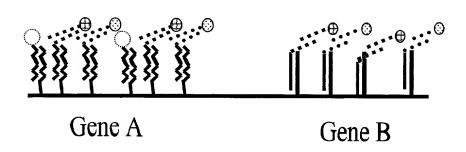
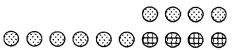


FIGURE 6A



⊕ = Gene A (h-136)

 $\oplus \oplus \oplus \oplus \oplus \oplus$

Gene B (h-252)

FIGURE 6B

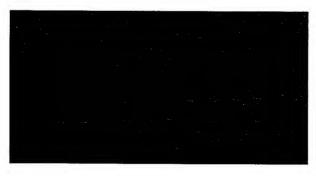
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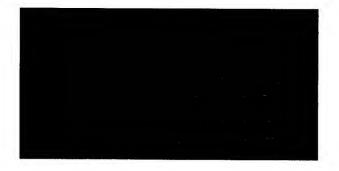
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Green Qdots signals from Gene A,B FIGURE 6C



Red Qdots signals from Gene A, B

FIGURE 6D



Yellow Qdots signals from Gene A FIGURE 6E

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Slide ID		
	Microarray 1	Microarray 2

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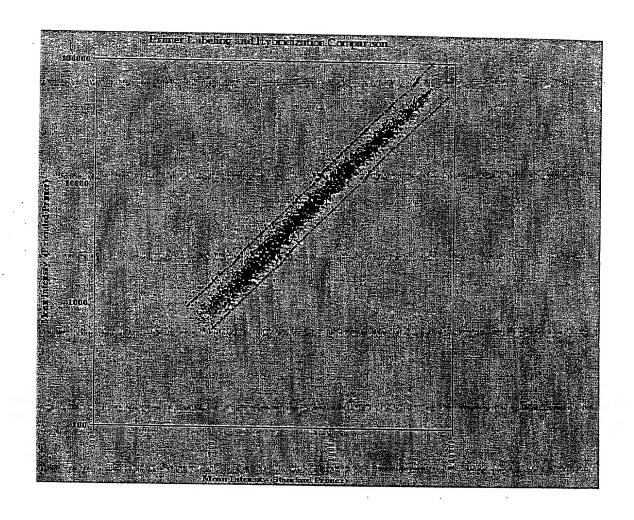


FIGURE 8